wogent

1647

12/27/00

#4

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RAW SEQUENCE LISTING                      DATE: 12/27/2000
PATENT APPLICATION:   US/09/622,439       TIME: 13:41:01

         Input Set : A:\Y04-12-1.app
         Output Set: N:\CRF1\12272000\1622439.raw

    4  <110> APPLICANT: Yamanouchi Pharmaceutical Co., Ltd.
    5  <120> TITLE OF INVENTION: A novel G protein coupled receptor protein
    7  <130> FILE REFERENCE: Y9905
C-->  9  <140> CURRENT APPLICATION NUMBER: US/09/622,439
C--> 10  <141> CURRENT FILING DATE: 2000-08-17
   12  <150> PRIOR APPLICATION NUMBER: JP P1998-060215
   13  <151> PRIOR FILING DATE: 1998-03-12
   15  <150> PRIOR APPLICATION NUMBER: JP P1999-026771
   16  <151> PRIOR FILING DATE: 1999-02-03
   18  <160> NUMBER OF SEQ ID NOS: 26
   20  <170> SOFTWARE: PatentIn Ver. 2.0
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   23  <211> LENGTH: 1128
   24  <212> TYPE: DNA
   25  <213> ORGANISM: Homo sapiens
   27  <220> FEATURE:
   28  <221> NAME/KEY: CDS
   29  <222> LOCATION: (1)..(1125)
   30  <223> OTHER INFORMATION: SREB1
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   35   1               5                   10                  15
   37  gcc ctg ggc ctc aag ctg gcc acc ctc agc ctg ctg ctg tgc gtg agc      96
   38  Ala Leu Gly Leu Lys Leu Ala Thr Leu Ser Leu Leu Leu Cys Val Ser
   39          20                  25                  30
   41  cta gcg ggc aac gtg ctg ttc gcg ctg ctg atc gtg cgg gag cgc agc     144
   42  Leu Ala Gly Asn Val Leu Phe Ala Leu Leu Ile Val Arg Glu Arg Ser
   43          35                  40                  45
   45  ctg cac cgc gcc ccg tac tac ctg ctg ctc gac ctg tgc ctg gcc gac     192
   46  Leu His Arg Ala Pro Tyr Tyr Leu Leu Leu Asp Leu Cys Leu Ala Asp
   47   50                  55                  60
   49  ggg ctg cgc gcg ctc gcc tgc ctc ccg gcc gtc atg ctg gcg gcg cgg     240
   50  Gly Leu Arg Ala Leu Ala Cys Leu Pro Ala Val Met Leu Ala Ala Arg
   51   65                  70                  75                  80
   53  cgt gcg gcg gcc gcg gcg ggg gcg ccg ccg ggc gcg ctg ggc tgc aag     288
   54  Arg Ala Ala Ala Ala Ala Gly Ala Pro Pro Gly Ala Leu Gly Cys Lys
   55              85                  90                  95
   57  ctg ctc gcc ttc ctg gcc gcg ctc ttc tgc ttc cac gcc gcc ttc ctg     336
   58  Leu Leu Ala Phe Leu Ala Ala Leu Phe Cys Phe His Ala Ala Phe Leu
   59          100                 105                 110
   61  ctg ctg ggc gtg ggc gtc acc cgc tac ctg gcc atc gcg cac cac cgc     384
   62  Leu Leu Gly Val Gly Val Thr Arg Tyr Leu Ala Ile Ala His His Arg
   63          115                 120                 125
   65  ttc tat gcg gag cgc ctg gcc ggc tgg ccg tgc gcc gcc atg ctg gtg     432
   66  Phe Tyr Ala Glu Arg Leu Ala Gly Trp Pro Cys Ala Ala Met Leu Val
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RAW SEQUENCE LISTING   DATE: 12/27/2000
PATENT APPLICATION: US/09/622,439   TIME: 13:41:01

Input Set : A:\Y04-12-1.app
Output Set: N:\CRF3\12272000\f622439.raw

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70 Cys Ala Ala Trp Ala Leu Ala Leu Ala Ala Ala Phe Pro Pro Val Leu
71 145               150               155               160
73 gac ggc ggt ggc gac gac gag gac gcg ccg tgc gcc ctg gag cag cgg    528
74 Asp Gly Gly Gly Asp Asp Glu Asp Ala Pro Cys Ala Leu Glu Gln Arg
75               165               170               175
77 ccc gac ggc gcc ccc ggc gcg ctg ggc ttc ctg ctg ctg ctg gcc gtg    576
78 Pro Asp Gly Ala Pro Gly Ala Leu Gly Phe Leu Leu Leu Leu Ala Val
79               180               185               190
81 gtg gtg ggc gcc acg cac ctc gtc tac ctc cgc ctg ctc ttc ttc atc    624
82 Val Val Gly Ala Thr His Leu Val Tyr Leu Arg Leu Leu Phe Phe Ile
83               195               200               205
85 cac gac cgc cgc aag atg cgg ccc gcg cgc ctg gtg ccc gcc gtc agc    672
86 His Asp Arg Arg Lys Met Arg Pro Ala Arg Leu Val Pro Ala Val Ser
87     210               215               220
89 cac gac tgg acc ttc cac ggc ccg ggc gcc acc ggc cag acg gcc gcc    720
90 His Asp Trp Thr Phe His Gly Pro Gly Ala Thr Gly Gln Ala Ala Ala
91 225               230               235               240
93 aac tgg acg gcg ggc ttc ggc cgc ggg ccc acg ccg ccc gcg ctt gtg    768
94 Asn Trp Thr Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Ala Leu Val
95               245               250               255
97 ggc atc cgc ccc gca ggg ccg ggc cgc cgc gcg cgc cgc ctc ctc gtg    816
98 Gly Ile Arg Pro Ala Gly Pro Gly Arg Gly Ala Arg Arg Leu Leu Val
99               260               265               270
101 ctg gaa gaa ttc aag acg gag aag agg ctg tgc aag atg ttc tac gcc   864
102 Leu Glu Glu Phe Lys Thr Glu Lys Arg Leu Cys Lys Met Phe Tyr Ala
103               275               280               285
105 gtc acg ctg ctc ttc ctg ctc ctc tgg ggg ccc tac gtc gtg gcc agc   912
106 Val Thr Leu Leu Phe Leu Leu Leu Trp Gly Pro Tyr Val Val Ala Ser
107     290               295               300
109 tac ctg cgg gtc ctg gtg cgg ccc ggc gcc gtc ccc cag gcc tac ctg   960
110 Tyr Leu Arg Val Leu Val Arg Pro Gly Ala Val Pro Gln Ala Tyr Leu
111 305               310               315               320
113 acg gcc tcc gtg tgg ctg acc ttc gcg cag gcc ggc atc aac ccc gtc   1008
114 Thr Ala Ser Val Trp Leu Thr Phe Ala Gln Ala Gly Ile Asn Pro Val
115               325               330               335
117 gtg tgc ttc ctc ttc aac agg gag ctg agg gac tgc ttc agg gcc cag   1056
118 Val Cys Phe Leu Phe Asn Arg Glu Leu Arg Asp Cys Phe Arg Ala Gln
119               340               345               350
121 ttc ccc tgc tgc cag agc ccc cgg acc acc cag gcg acc cat ccc tgc   1104
122 Phe Pro Cys Cys Gln Ser Pro Arg Thr Thr Gln Ala Thr His Pro Cys
123     355               360               365
125 gac ctg aaa ggc att ggt tta tga   1128
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130 <210> SEQ ID NO: 2
131 <211> LENGTH: 375
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
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RAW SEQUENCE LISTING   DATE: 12/27/2000
PATENT APPLICATION: US/09/622,439   TIME: 13:41:01

Input Set : A:\Y04-12-1.app
Output Set: N:\CRF3\12272000\I622439.raw

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140           20                  25                  30
142 Leu Ala Gly Asn Val Leu Phe Ala Leu Leu Ile Val Arg Glu Arg Ser
143           35                  40                  45
145 Leu His Arg Ala Pro Tyr Tyr Leu Leu Leu Asp Leu Cys Leu Ala Asp
146       50                  55                  60
148 Gly Leu Arg Ala Leu Ala Cys Leu Pro Ala Val Met Leu Ala Ala Arg
149  65                  70                  75              80
151 Arg Ala Ala Ala Ala Gly Ala Pro Pro Gly Ala Leu Gly Cys Lys
152               85                  90                  95
154 Leu Leu Ala Phe Leu Ala Ala Leu Phe Cys Phe His Ala Ala Phe Leu
155           100                 105                 110
157 Leu Leu Gly Val Gly Val Thr Arg Tyr Leu Ala Ile Ala His His Arg
158       115                 120                 125
160 Phe Tyr Ala Glu Arg Leu Ala Gly Trp Pro Cys Ala Ala Met Leu Val
161       130                 135                 140
163 Cys Ala Ala Trp Ala Leu Ala Leu Ala Ala Ala Phe Pro Pro Val Leu
164 145                 150                 155             160
166 Asp Gly Gly Gly Asp Glu Asp Ala Pro Cys Ala Leu Glu Glu Arg
167               165                 170                 175
169 Pro Asp Gly Ala Pro Gly Ala Leu Gly Phe Leu Leu Leu Leu Ala Val
170           180                 185                 190
172 Val Val Gly Ala Thr His Leu Val Tyr Leu Arg Leu Leu Phe Phe Ile
173       195                 200                 205
175 His Asp Arg Arg Lys Met Arg Pro Ala Arg Leu Val Pro Ala Val Ser
176       210                 215                 220
178 His Asp Trp Thr Phe His Gly Pro Gly Ala Thr Gly Gln Ala Ala Ala
179 225                 230                 235                 240
181 Asn Trp Thr Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Ala Leu Val
182           215                 250                 255
184 Gly Ile Arg Pro Ala Gly Pro Gly Arg Gly Ala Arg Arg Leu Leu Val
185           260                 265                 270
187 Leu Glu Glu Phe Lys Thr Glu Lys Arg Leu Cys Lys Met Phe Tyr Ala
188       275                 280                 285
190 Val Thr Leu Leu Phe Leu Leu Leu Trp Gly Pro Tyr Val Val Ala Ser
191       290                 295                 300
193 Tyr Leu Arg Val Leu Val Arg Pro Gly Ala Val Pro Glu Ala Tyr Leu
194 305                 310                 315                 320
196 Thr Ala Ser Val Trp Leu Thr Phe Ala Gln Ala Gly Ile Asn Pro Val
197           325                 330                 345
199 Val Cys Phe Leu Phe Asn Arg Glu Leu Arg Asp Cys Phe Arg Ala Gln
200           340                 345                 350
202 Phe Pro Cys Cys Gln Ser Pro Arg Thr Thr Gln Ala Thr His Pro Cys
203           355                 360                 365
205 Asp Leu Lys Gly Ile Gly Leu
206       370                 375
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RAW SEQUENCE LISTING   DATE: 12/27/2000
PATENT APPLICATION: US/09/622,439   TIME: 13:41:01

Input Set : A:\Y04-12-1.app
Output Set: N:\CRF3\12272000\I622439.raw

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210 <211> LENGTH: 1113
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens
214 <220> FEATURE:
215 <221> NAME/KEY: CDS
216 <222> LOCATION: (1)..(1110)
217 <223> OTHER INFORMATION: SREB2
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222  1               5                  10                  15
224 cct cta aca gcc ttt ctg aaa ctg act tcc ttg ggt ttc ata ata gga      96
225 Pro Leu Thr Ala Phe Leu Lys Leu Thr Ser Leu Gly Phe Ile Ile Gly
226              20                  25                  30
228 gtc agc gtg gtg ggc aac ctc ctg atc tcc att ttg cta gtg aaa gat     144
229 Val Ser Val Val Gly Asn Leu Leu Ile Ser Ile Leu Leu Val Lys Asp
230              35                  40                  45
232 aag acc ttg cat aga gca cct tac tac ttc ctg ttg gat ctt tgc tgt     192
233 Lys Thr Leu His Arg Ala Pro Tyr Tyr Phe Leu Leu Asp Leu Cys Cys
234      50                  55                  60
236 tca gat atc ctc aga tct aca att tgt ttc cca ttt gtg ttc aac tct     240
237 Ser Asp Ile Leu Arg Ser Ala Ile Cys Phe Pro Phe Val Phe Asn Ser
238  65                  70                  75                  80
240 gtc aaa aat ggc tct acc tgg act tat gga act ctg act tgc aaa gtg     288
241 Val Lys Asn Gly Ser Thr Trp Thr Tyr Gly Thr Leu Thr Cys Lys Val
242                  85                  90                  95
244 att gcc ttt ctg ggg gtt ttg tcc tgt ttc cac act gct ttc atg ctc     336
245 Ile Ala Phe Leu Gly Val Leu Ser Cys Phe His Thr Ala Phe Met Leu
246             100                 105                 110
248 ttc tgc atc agt gtc acc aga tac tta gct atc gcc cat cac cgc ttc     384
249 Phe Cys Ile Ser Val Thr Arg Tyr Leu Ala Ile Ala His His Arg Phe
250             115                 120                 125
252 tat aca aag agg ctg acc ttt tgg acg tgt ctg gct gtg atc tgt atg     432
253 Tyr Thr Lys Arg Leu Thr Phe Trp Thr Cys Leu Ala Val Ile Cys Met
254      130                 135                 140
256 gtg tgg act ctg tct gtg gcc atg gca ttt ccc ccg gtt tta gac gtg     480
257 Val Trp Thr Leu Ser Val Ala Met Ala Phe Pro Pro Val Leu Asp Val
258 145                 150                 155                 160
260 ggc act tac tca ttc att agg gag gaa gat caa tgc acc ttc caa cac     528
261 Gly Thr Tyr Ser Phe Ile Arg Glu Glu Asp Gln Cys Thr Phe Gln His
262                 165                 170                 175
264 cgc tcc ttc agg gct aat gat tcc tta gga ttt atg ctg ctt ctt gct     576
265 Arg Ser Phe Arg Ala Asn Asp Ser Leu Gly Phe Met Leu Leu Leu Ala
266             180                 185                 190
268 ctc atc ctc cta gcc aca cag ctt gtc tac ctc aag ctg ata ttt ttc     624
269 Leu Ile Leu Leu Ala Thr Gln Leu Val Tyr Leu Lys Leu Ile Phe Phe
270             195                 200                 205
272 gtc cac gat cga aga aaa atg aag cca gtc cag ttt gta gca gca gtc     672
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273 Val His Asp Arg Arg Lys Met Lys Pro Val Gln Phe Val Ala Ala Val
274       210                 215                 220
276 agc cag aac tgg act ttt cat ggt cct gga gcc agt ggc cag gca gct   720
277 Ser Gln Asn Trp Thr Phe His Gly Pro Gly Ala Ser Gly Gln Ala Ala
278 225                 230                 235                 240
280 gcc aat tgg cta gca gga ttt gga agg ggt cca aca cca ccc acc ttg   768
281 Ala Asn Trp Leu Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Phe Leu
282                 245                 250                 255
284 ctg ggc atc agg caa aat gca aac acc aca ggc aga aga agg cta ttg   816
285 Leu Gly Ile Arg Gln Asn Ala Asn Thr Thr Gly Arg Arg Arg Leu Leu
286                 260                 265                 270
288 gtc tta gac gag ttc aaa atg gag aaa aga atc agc aga atg ttc tat   864
289 Val Leu Asp Glu Phe Lys Met Glu Lys Arg Ile Ser Arg Met Phe Tyr
290            275                 280                 285
292 ata atg act ttt ctg ttt cta acc ttg tgg ggc ccc tac ctg gtg gcc   912
293 Ile Met Thr Phe Leu Phe Leu Thr Leu Trp Gly Pro Tyr Leu Val Ala
294      290                 295                 300
296 tgt tat tgg aga gtt ttt gca aga ggg cct gta gta cca ggg gga ttt   960
297 Cys Tyr Trp Arg Val Phe Ala Arg Gly Pro Val Val Pro Gly Gly Phe
298 305                 310                 315                 320
300 cta aca gct gct gtc tgg atg agt ttt gcc caa gca gga atc aat cct  1008
301 Leu Thr Ala Ala Val Trp Met Ser Phe Ala Gln Ala Gly Ile Asn Pro
302                 325                 330                 335
304 ttt gtc tgc att ttc tca aac agg gag ctg agg cgc tgt ttc agc aca  1056
305 Phe Val Cys Ile Phe Ser Asn Arg Glu Leu Arg Arg Cys Phe Ser Thr
306                 340                 345         ·       350
308 acc ctt ctt tac tgc aga aaa tcc agg tta cca agg gaa cct tac tgt  1104
309 Thr Leu Leu Tyr Cys Arg Lys Ser Arg Leu Pro Arg Glu Pro Tyr Cys
310           355                 360                 365
312 gtt ata tga                                                      1113
313 Val Ile
314         370
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318 <211> LENGTH: 370
319 <212> TYPE: PRT
320 <213> ORGANISM: Homo sapiens
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327                 20                 25                 30
329 Val Ser Val Val Gly Asn Leu Leu Ile Ser Ile Leu Leu Val Lys Asp
330           35                 40                 45
332 Lys Thr Leu His Arg Ala Pro Tyr Tyr Phe Leu Leu Asp Leu Cys Cys
333        50                 55                 60
335 Ser Asp Ile Leu Arg Ser Ala Ile Cys Phe Pro Phe Val Phe Asn Ser
336   65                 70                 75                 80
338 Val Lys Asn Gly Ser Thr Trp Thr Tyr Gly Thr Leu Thr Cys Lys Val
339                 85                 90                 95
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VERIFICATION SUMMARY   DATE: 12/27/2000
PATENT APPLICATION: US/09/622,439   TIME: 13:41:02

Input Set : A:\Y04-12-1.app
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L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing_Date